



## Electrostatic Discharge Protection on Schottkys

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Sirectifier Global Corp. (SGC) has recently announced that all its high-voltage Schottky device offerings come with ESD function that provide excellent protection against electrostatic discharge and conform to the strict IEC 61000-4-6 industry standard test criteria. These make SGC's high-voltage Schottky diodes ideal for portable, consumer and wireless products applications that require efficient power, small footprint using minimal board space, and excellent ESD protection.

The most important reason why SGC has obtained the ESD ability is the concept of the energy in brief. The concept of energy is including the parameters of Avalanche, EAS and PARM. In fact, the energy is a complex factor which had influenced by wafer design and sputtering process. SGC have the abundant experience on the design of epitaxial making the highest energy possible. In addition, the guard-ring on the top of the Diode had increased to make sure the highest ESD protection ability instead of old process. Therefore, SGC announced that the ESD protection ability from 6KV to 12KV on high-voltage Schottky device.

Furthermore, based on its customers' reports, SGC's Schottky diodes have consistently tested around 10 dB EMI attenuation values lower than almost all other manufacturers' devices sampled on Fly-back topology of SMPS, which should further enhance SGC's position as an ideal source of high-quality, reasonably-priced, and reliable high-voltage Schottky diodes that should satisfy even the most discriminating customer.

Besides high-voltage Schottky devices, SGC has also been able to provide customers and designers with excellent standard and low Vf Schottky devices with ESD protection function for quite some time now and the feedback received with regards to its performance has always been positive.

For further details, please contact SGC at the location nearest you.



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